

SHIELDING GAS FILTER FOR WELDING APPARATUS

Abstract of Disclosure

A shielding gas filter that can be readily incorporated into a gas shielding system for an arc welding apparatus. The gas shielding filter is readily installed to the system upstream of a gas solenoid valve and removes any potentially harmful particles from the supply of the shielding gas to prevent those particles from entering the gas solenoid valve. The shielding gas filter includes a housing having an inlet and an outlet and a specially formed passageway that communicates between the inlet and the outlet. A filter screen is retained within the housing to filter out the particles larger than a predetermined size. Preferably, the filter screen is constructed of stainless steel and filters out particles larger than about 100 microns.

Figures